#6

SEQUENCE LISTING

<110> SMITH, Richard Anthony Godwin
PRATT, Julian Roy
SACKS, Steven Howard

<120> ORGAN TRANSPLANT SOLUTIONS CONTAINING CONJUGATES OF SOLUBLE PEPTIDIC COMPOUNDS WITH MEMBRANE-BINDING

<130> 37945-0024

<140> US 09/936,205
<141> 2001-09-10

<150> PCT/GB00/00834
<151> 2000-03-08

<150> GB 9905503.0
<151> 1999-03-10

<160> 11

<170> PatentIn Ver. 2.1

<210> 1
<211> 215
<212> PRT
<213> Artificial Sequence

<220>
<223> Linear, 2 polypeptide chains disulphide linked

<220>
<221> DISULFID
<222> (198)..(199)

<220>
<223> 2nd polypeptide chain (199-215) runs C to N terminus

<220>
<223> An N-myristoyl group is at the N-terminus of the second polypeptide chain

<220>
<223> A CONH2 group is at the C terminus of the second polypeptide chain

<220>
<223> Description of Artificial Sequence: Synthetic peptide reagent

<400> 1
Met Gln Cys Asn Ala Pro Glu Trp Leu Pro Phe Ala Arg Pro Thr Asn
1 5 10 15

Leu Thr Asp Glu Phe Glu Phe Pro Ile Gly Thr Tyr Leu Asn Tyr Glu
20 25 30

```
Cys Arg Pro Gly Tyr Ser Gly Arg Pro Phe Ser Ile Ile Cys Leu Lys
          35                  40                  45

Asn Ser Val Trp Thr Gly Ala Lys Asp Arg Cys Arg Arg Lys Ser Cys
      50                  55                  60

Arg Asn Pro Pro Asp Pro Val Asn Gly Met Val His Val Ile Lys Gly
 65                  70                  75                  80

Ile Gln Phe Gly Ser Gln Ile Lys Tyr Ser Cys Thr Lys Gly Tyr Arg
                 85                  90                  95

Leu Ile Gly Ser Ser Ser Ala Thr Cys Ile Ile Ser Gly Asp Thr Val
            100                 105                 110

Ile Trp Asp Asn Glu Thr Pro Ile Cys Asp Arg Ile Pro Cys Gly Leu
        115                 120                 125

Pro Pro Thr Ile Thr Asn Gly Asp Phe Ile Ser Thr Asn Arg Glu Asn
    130                 135                 140

Phe His Tyr Gly Ser Val Val Thr Tyr Arg Cys Asn Pro Gly Ser Gly
145                 150                 155                 160

Gly Arg Lys Val Phe Glu Leu Val Gly Glu Pro Ser Ile Tyr Cys Thr
                165                 170                 175

Ser Asn Asp Asp Gln Val Gly Ile Trp Ser Gly Pro Ala Pro Gln Cys
            180                 185                 190

Ile Ile Pro Asn Lys Cys Cys Asp Gly Pro Lys Lys Lys Lys Lys Lys
        195                 200                 205

Ser Pro Ser Lys Ser Ser Gly
    210                 215
```

<210> 2
<211> 218
<212> PRT
<213> Artificial Sequence

<220>
<223> 2 polypeptide chains disulphide linked

<220>
<221> DISULFID
<222> (198)..(199)

<220>
<223> The second polypeptide chain (199-218) runs C to N terminus

<220>
<223> An N-Myristoyl group is at the N terminus of the second polypeptide chain

<220>
<223> A CONH2 group is at the C terminus of the second polypeptide chain

<220>
<223> Description of Artificial Sequence: Synthetic peptide reagent

<400> 2
Met Gln Cys Asn Ala Pro Glu Trp Leu Pro Phe Ala Arg Pro Thr Asn
1 5 10 15

Leu Thr Asp Glu Phe Glu Phe Pro Ile Gly Thr Tyr Leu Asn Tyr Glu
20 25 30

Cys Arg Pro Gly Tyr Ser Gly Arg Pro Phe Ser Ile Ile Cys Leu Lys
35 40 45

Asn Ser Val Trp Thr Gly Ala Lys Asp Arg Cys Arg Arg Lys Ser Cys
50 55 60

Arg Asn Pro Pro Asp Pro Val Asn Gly Met Val His Val Ile Lys Gly
65 70 75 80

Ile Gln Phe Gly Ser Gln Ile Lys Tyr Ser Cys Thr Lys Gly Tyr Arg
85 90 95

Leu Ile Gly Ser Ser Ser Ala Thr Cys Ile Ile Ser Gly Asp Thr Val
100 105 110

Ile Trp Asp Asn Glu Thr Pro Ile Cys Asp Arg Ile Pro Cys Gly Leu
115 120 125

Pro Pro Thr Ile Thr Asn Gly Asp Phe Ile Ser Thr Asn Arg Glu Asn
130 135 140

Phe His Tyr Gly Ser Val Val Thr Tyr Arg Cys Asn Pro Gly Ser Gly
145 150 155 160

Gly Arg Lys Val Phe Glu Leu Val Gly Glu Pro Ser Ile Tyr Cys Thr
165 170 175

Ser Asn Asp Asp Gln Val Gly Ile Trp Ser Gly Pro Ala Pro Gln Cys
180 185 190

Ile Ile Pro Asn Lys Cys Cys Ala Asp Leu Arg Ser Ser Leu Gly Pro
195 200 205

Lys Lys Lys Lys Lys Lys Ser Pro Ser Gly
210 215

<210> 3
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> An N-myristoyl group is at the N terminus of the polypeptide chain

<220>
<223> A CONH2 group is at the C-terminus of the polypeptide chain

<220>
<223> An S-2-Thiopyridyl group is attached to the
C-terminal cysteine

<220>
<223> Description of Artificial Sequence: Synthetic
peptide reagent

<400> 3
Gly Ser Pro Ser Lys Lys Lys Lys Lys Pro Gly Leu Ser Ser Arg
1 5 10 15

Leu Asp Ala Cys
20

<210> 4
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> A CONH2 group is at the C terminus

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 4
Gly Ser Pro Ser Lys Lys Lys Lys Lys Pro Gly Leu Ser Ser Arg
1 5 10 15

Leu Asp Ala Cys
20

<210> 5
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: A peptidic
membrane binding element of SEQ ID NO: 4

<400> 5
Pro Ser Lys Lys Lys Lys Lys Pro
1 5

<210> 6
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: A peptidic
membrane binding element of SEQ ID NO: 4

<400> 6
Leu Ser Ser Arg Leu Asp Ala
1 5

<210> 7
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Example of
electrostatic switch sequence

<400> 7
Asp Gly Pro Lys Lys Lys Lys Lys Ser Pro Ser Lys Ser Ser Gly
1 5 10 15

<210> 8
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Example of
electrostatic switch sequence

<400> 8
Gly Ser Ser Lys Ser Pro Ser Lys Lys Lys Lys Lys Lys Pro Gly Asp
1 5 10 15

<210> 9
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Example of
electrostatic switch sequence

<400> 9
Ser Pro Ser Asn Glu Thr Pro Lys Lys Lys Lys Lys Arg Phe Ser Phe
1 5 10 15

Lys Lys Ser Gly
20

<210> 10
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Example of
electrostatic switch sequence

```
<400> 10
Asp Gly Pro Lys Lys Lys Lys Lys Lys Ser Pro Ser Lys Ser Ser Lys
  1               5                  10                  15


<210> 11
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Example of
      electrostatic switch sequence

<400> 11
Ser Lys Asp Gly Lys Lys Lys Lys Lys Lys Ser Lys Thr Lys
  1               5                  10
```